# SW10010-ST

## 10/100Base TX to 100Base Fibre Optic Converter

## INTRODUCTION

IEEE802.3/u Ethernet supports two types of media for network connection such as 10/100Base-TX and 100 Base-FX. The bridge media converter is designed with a switch controller and buffer memory that connects two types of segments to operate smoothly. This converter can be used as a standalone unit or as a slide-in module to the 19" converter rack(up to 10 units) for use at a central wiring closet.

## PRODUCT SPECIFICATION

| | |
|---|---|
| Standard | IEEE802.3u Fast Ethernet 100Base-TX and 100Base-FX standards |
| Connector type | ST 1310nm |
| The 100Mbps 1300nm Fiber Transceivers | DEFAULT: ST multi-mode 2Km |
| UTP Cable | Cat. 5 cable up to 100m |
| Fiber Cable | 50/125, 62.5/125, or 100/140m multi-mode<br>8.3/125, 8.7/125, 9/125 or 10/125m single-mode |
| Indicators | POWER, FX LNK/ACT, 100, TP LNK/ACT, FDX/COL |
| Data transfer rate | 10Mbps (speed) - 14,880 PPS (forwarding rate)<br>100Mbps (speed) - 148,800 PPS (forwarding rate) |
| MAC Address and Self-learning | 1K |
| Buffer Memory | 128KByte |
| Power requirement | 1A+5V |
| Dimension (mm) | 26.2(H) x 70.3(W) x 94(D) mm |
| Ambient Temperature | 5 C ~ 50 C |
| Humidity | 5%C~90%C |
| Flow Control | IEEE802.3x compliant for full-duplex<br>Back pressure flow control for half-duplex |
| | FCC Part 15 Class A, CE Mark & UL |

## FEATURES

- Support 10/100 Ethernet UTP.
- Other available fiber connectors: SC/MT-RJ/VF-45 for multi-mode and single-mode.
- Standalone or composite applications.

Dynamode